Method for measuring particles in gas flow e.g. vehicle exhaust

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Abstract of **DE19536705**

The method generates an electrical field between a hollow electrode (7,12), through which the gas flows, and an internal electrode (9,6) within the hollow electrode by the application of a constant d.c. voltage. The charging current required for maintaining a constant voltage between the electrodes is measured. The d.c. voltage required can be 2 to 3 kV and the charging current can be measured using a high value series resistance (8) in the current circuit as a shunt.